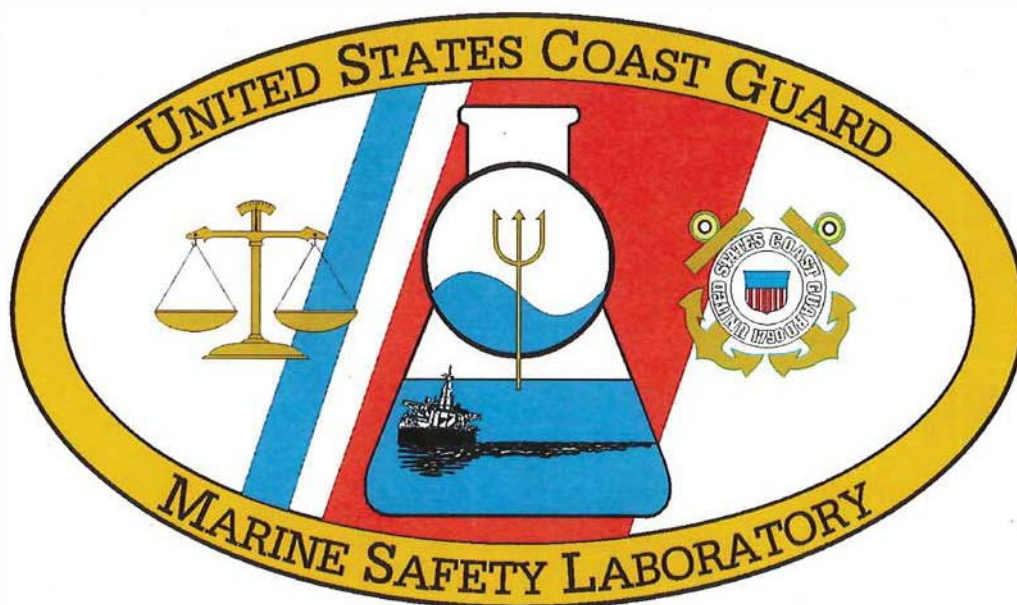


Oil Sample Analysis Report

**US EPA Region 5
Case Number E18523**

**Marine Safety Laboratory
Case Number 18-144**



U.S. Department of
Homeland Security

**United States
Coast Guard**



Manager
U.S. Coast Guard
Marine Safety Laboratory

1 Chelsea Street
New London, CT 06320
Phone: (860) 271-2704
Fax: (860) 271-2641

16450
24 Sep 2018

Attn: On-Scene Coordinator
77 West Jackson Blvd
Chicago, IL 60604

Dear On-Scene Coordinator:

The laboratory analysis of this case has been completed and our report is forwarded. The technical data supporting the report (spectrograms and chromatograms) have been archived at our facility and are available upon request. We will maintain the oil samples in refrigerated storage pending final case disposition.

Questions concerning this report or the analytical methods used should be directed to the Supervisor of Analysis.


K. ECHOLS

Encl: (1) MSL Report 18-144

**United States Coast Guard
Marine Safety Laboratory
Oil Sample Analysis Report
18-144**

Requestor: US EPA Region 5

Unit Case/Activity Number: E18523

Received: 20-Sep-18

Via: Federal Express 7828 4486 9531

Number Of Samples: 3

Lab ID for Spills: 1

Lab ID for Sources: 2 and 3

Lab ID for Background: n/a

Analysis Methods:

- ☒ GAS CHROMATOGRAPHY (GC)
- ☒ GAS CHROMATOGRAPHY-MASS SPECTROMETRY (GC-MS)
- ☐ INFRARED SPECTROSCOPY (IR)

Laboratory's Conclusion (as explained below): OTHER

RESULTS:

1. Sample 18-144-1 was specified to be representative of spilled oil. Analysis indicates this sample contains heavy petroleum oil. The quantity is not sufficient to determine the type of product present or for comparison purposes. Non-petroleum contamination was detected.
2. Suspected source samples 18-144-2 and 3 contain heavy petroleum oil.

CONCLUSIONS:

1. Suspected source samples 18-144-2 and 3 cannot be compared to spill sample 18-144-1 due to the insufficient quantity of petroleum oil present in spill sample 18-144-1.

SUPERVISOR OF ANALYSIS

K. ECHOLS

DATE

24-Sep-18